

# (12) United States Patent

# Wenchell

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(54) ANOSCOPE

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CPC ...... A61B 1/31 (2013.01); A61B 1/0008 (2013.01); A61B 1/00154 (2013.01); A61B 17/3439 (2013.01); A61M 29/00 (2013.01); A61B 2017/3452 (2013.01)

(58) Field of Classification Search CPC ...... A61M 29/00 USPC ....... 600/184-246; 403/359.1, 359.4, 359.6; 606/108, 191, 197, 198 See application file for complete search history.

#### References Cited (56)

## U.S. PATENT DOCUMENTS

295,798					
348,843				Ingersoll Hamilton	A61B 1/31
,					600/184
357,216	A	*	2/1887	McCall	
			<b>(</b> C		600/184
			(Con	tinued)	

### FOREIGN PATENT DOCUMENTS

DE	3717607 A1	12/1988
EP	1929959 A1	6/2008
WO	2009092194 A1	7/2009

# OTHER PUBLICATIONS

European Communication dated Feb. 12, 2016, corresponding to European Application No. 09252741.5; 5 pages.

(Continued)

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#### (57)ABSTRACT

An anoscope kit includes an anoscope having a plurality of spaced apart fingers having free ends and a dilator removably positionable within the anoscope to aid insertion of the anoscope. The dilator has a proximal region, an intermediate region and a distal region. The distal region includes an enlarged distal head. A ramped surface extends from the enlarged distal head toward the intermediate region. The intermediate region has an outer surface to contact the fingers of the dilator.

# 12 Claims, 6 Drawing Sheets

